

# Manta F6283

## Quaternary Ammonium Salt Modified Organosiloxane Emulsion

### Description

Manta F6283 is a quaternary ammonium salt-modified organosiloxane emulsion. This product has a strong and broad-spectrum killing effect on Gram-negative and Gram-positive bacteria and fungi, and can inhibit the growth of bacteria and fungi. At the same time, this product has good anti-static properties and softens hair. In addition, its unique molecular structure can also fix the color of dyed hair. It is an ideal additive for conditioning shampoos and hair care products.

### Typical Physical Properties

INCI/CTFA	Polyquaternium-18 Dimethicone (and) Laureth-3 (and) Laureth-9
Appearance	Colorless or slightly yellow transparent or translucent liquid
Specific gravity (25°C)	1.3450-1.3650
Viscosity (s, Tu-4 Cup Viscosity, 25°C)	11-13
Solid Content (% , 120°C×2h)	13-18
Relative Density (25°C)	0.970-1.010

Note: These values are not intended for use in preparing specification.

### Properties

- Silicone cationic surfactant;
- Highly effective antimicrobial activity;
- Cationic microemulsion;
- Has a good conditioning effect on hair;
- Inhibits bacterial and fungal growth;
- It has a good color-fixing effect on hair after dyeing;
- Good anti-static properties;

### Applications

F6283 is used as a bacteriostatic agent for bacteria and fungi due to its long-lasting, efficient and broad-spectrum antimicrobial activity.

It can also be used as a conditioning additive for shampoos, conditioners, baking oils, gels, hair dyes and other related hair products.

### How to use

F6283 has good compatibility with cationic or nonionic surfactant systems; In order to gain the best function of dispersion, the product is recommended to be added at the end of the procedure at a temperature below 50°C. The recommended usage level is 0.2-2.0%.

### Packaging

In 25kg pail, 200kg drum

### Safety and Storage

Keep away from heat and open flame. Prevent from the exposure of moisture, acid, alkalis and other impurities. When stored at well in the original unopened containers, this product has a usable life of 12 months from the date of production (drum packing). This product is non-hazardous product.

### Contact Information

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